Plan of full-time second-cycle studies with a general academic profile in the field of Transport

A. Subjects common for the course of study

Lp.	Subject	Number of teaching hours							ECTS	Weekly number of teaching hours (one semester is completed within 15 weeks)																			
		Total	in it:*)							Semester 1							Semester 2							Semester 3						
			W	C	P	L	K	S		W	C	P	L	K	S	ECTS	W	C	P	L	K	S	ECTS	W	C	P	L	K	S	ECTS
1	Stochastic Processes	**30**	15				15		**2**								1				1		**2**							
2	Statistics in Engineering Work	**30**	15	15					**2**	1	1					**2**														
3	Mathematical Methods in Transport	**30**	15	15					**3**	1 e	1					**3**														
4	Transport Modelling and Planning	**30**	15	15					**2**	1	1					**2**														
5	Modern Programming Techniques	**30**	15				15		**2**								1				1		**2**							
6	Reliability and Safety Theory	**30**	15				15		**3**	1				1		**3**														
7	Applied Mechanics	**30**	15	15					**2**								1	1					**2**							
8	Measurement Systems in Transportation Practice	**30**	15			15			**3**	1			1			**3**														
9	Innovative Means and Infrastructure of Transport	**30**	30						**2**	2 e						**2**														
10	Traffic Management and Control	**30**	30						**2**	2 e						**2**														
11	Teleinformatic Systems in Transport	**30**	15			15			**2**								1			1			**2**							
12	Contemporary Issues in Transport Organization and Technology	**30**	30						**2**	2 e						**2**														
13	Selected Issues of Copyright and Industrial Property Protection	**15**	15						**1**															1						**1**
14	Preparation for Research	**15**	15						**1**															1						**1**
15	Elective Course - Humanities or Social Sciences I [1)]	**30**	30						**2**								2						**2**							
16	Elective Course - Humanities or Social Sciences II [1), 2)]	**30**	30						**2**															2						**2**
17	Elective Technical Course [1)]	**30**	30						**2**															2 e						**2**
18	Elective Technical Course in a Foreign Language [1), 3)]	**30**	30						**2**															2 e						**2**
19	Master's Diploma Seminar	**30**						30	**2**																				2	**2**
20	Master's Thesis	**45**			45				**20**																	3				**20**
21	Diploma Internship [4)]								**2**														**2**							
Total number of teaching hours and ECTS points		**585**	**375**	**60**	**45**	**30**	**45**	**30**	**61**	**11**	**3**	**0**	**1**	**1**	**0**	**19**	**6**	**1**	**0**	**1**	**2**	**0**	**12**	**8**	**0**	**3**	**0**	**0**	**2**	**30**
			585							**16**							**10**							**13**						
Number of exams		**6**								**4**							**0**							**2**						
Number of tests		**23**								**9**							**9**							**5**						

Comments:

*) W - lecture, C - exercises, L - laboratory, P - project, K - computer classes, S - seminar

1) A set of elective courses for a given academic year is subject to acceptance by the Faculty Council

2) It is required that through completing the "Elective Course - Humanities or Social Sciences II", the student should achieve the learning effect No. Tr2A_W14

3) In case of studies conducted in English, instead of the "Elective Technical Course in a Foreign Language", the student may take 2 hours a week of foreign language course with a workload corresponding to 2 ECTS score points. This may be used to prepare student to the foreign language exam at the C1 Academic Level.

4) Two-week diploma practice is implemented after 2nd semester if the thesis topic requires it

It is valid from the education cycle started in 2021/2022 academic year

B.Common subjects for specialization Transport systems engineering and management

Lp.	Subject	Number of teaching hours							ECTS	Weekly number of teaching hours (one semester is completed within 15 weeks)																			
		Total	in it:*)							Semester 1							Semester 2							Semester 3						
			W	C	P	L	K	S		W	C	P	L	K	S	ECTS	W	C	P	L	K	S	ECTS	W	C	P	L	K	S	ECTS
1	Transport Systems Planning	**30**	15		15				**3**	1		1				**3**														
2	Measurements and Forecasting of Traffic and Transport	**30**	15	15					**2**	1	1					**2**														
3	Urban and Regional Transport Management	**30**	15		15				**3**								1		1				**3**							
4	Design of Multimodal Transport Nodes	**30**	15			15			**3**								1 e			1			**3**							
5	Computer-Aided Planning of Transport	**45**	15			30			**3**								1			2			**3**							
6	Human Factor in Intelligent Transport Systems	**30**	15			15			**2**								1 e			1			**2**							
7	Transport Automation – Intelligent Motor Vehicles	**30**	15			15			**2**								1			1			**2**							
8	Environmental Protection in Transport	**30**	15		15				**2**	1		1				**2**														
9	Management of Investment Process in Transport	**30**	15	15					**2**								1 e	1					**2**							
10	Maintenance and Management of Urban and Regional Infrastructure	**30**	15		15				**3**	1		1				**3**														
11	Legal Regulations in Transport Policy	**15**	15						**1**	1						**1**														
12	Design of Transport Systems	**60**			60				**5**										4				**5**							
Number of teaching hours and ECTS points for specialization		**390**	**165**	**30**	**120**	**75**	**0**	**0**	**31**	**5**	**1**	**3**	**0**	**0**	**0**	**11**	**6**	**1**	**5**	**5**	**0**	**0**	**20**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Total number of teaching hours and ECTS points		**975**	**540**	**90**	**165**	**105**	**45**	**30**	**92**	**16**	**4**	**3**	**1**	**1**	**0**	**30**	**12**	**2**	**5**	**6**	**2**	**0**	**32**	**8**	**0**	**3**	**0**	**0**	**2**	**30**
			975							**25**							**27**							**13**						
Number of exams			**9**							**4**							**3**							**2**						
Number of tests			**42**							**18**							**19**							**5**						

Uwagi:

*) W - lecture, C - exercises, L - laboratory, P - project, K - computer classes, S - seminar

It is valid from the education cycle started in 2021/2022 academic year